

Class	Subclass

ISSUE CLASSIFICATION

PATENT NUMBER

U.S. UTILITY Patent Application

O.I.P.E.

PATENT DATE

SCANNED

Q.A.

APPLICATION NO. 09/944472	CONT/PRIOR	CLASS 257	SUBCLASS	ART UNIT 2811	EXAMINER
------------------------------	------------	--------------	----------	------------------	----------

APPLICANTS

James Howarth

TITLE

Method of ball grid array (BGA) alignment, method of testing, alignment apparatus and semiconductor device assembly

PTO-2040
12/99**ISSUING CLASSIFICATION**[illegible]

<input type="checkbox"/> TERMINAL DISCLAIMER	DRAWINGS			CLAIMS ALLOWED	
	Sheets Drwg.	Figs. Drwg.	Print Fig.	Total Claims	Print Claim for O.G.
<input type="checkbox"/> The term of this patent subsequent to _____ (date) has been disclaimed.				NOTICE OF ALLOWANCE MAILED	
<input type="checkbox"/> The term of this patent shall not extend beyond the expiration date of U.S Patent. No. _____ _____					
				ISSUE FEE	
				Amount Due	Date Paid
<input type="checkbox"/> The terminal ____months of this patent have been disclaimed.				ISSUE BATCH NUMBER	
WARNING:					
The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368 Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.					

Form PTO-436A
(Rev. 6/99)

FILED WITH: ☐ DISK (CRF) ☐ FICHE ☐ CD-ROM
(Attached in pocket on right inside flap)

(FACE)